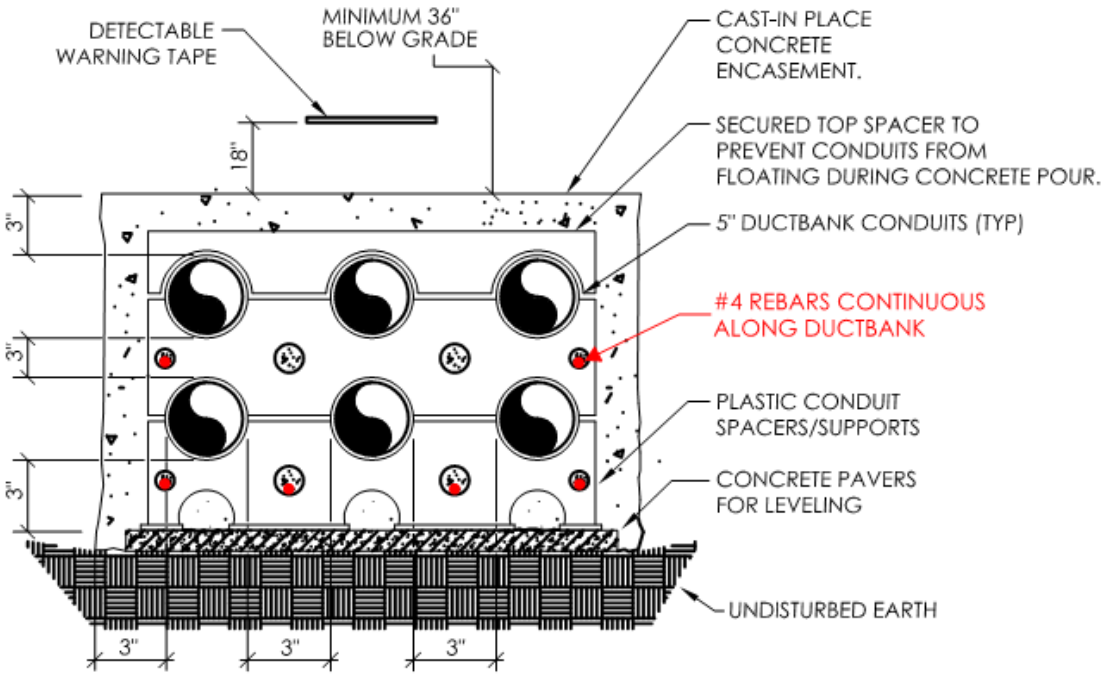
Zablocki Transformer Upgrade project – Bid questions **11/17/15**

695-14-140 111 Change Transformers Essential & Non - Essential

No.	Question
1	What type of Fire Alarm System do you have and how many devices if any will have to be removed and re-installed to accomplish this work? I noticed a duct smoke that may need to be removed. A. Existing fire alarm system is Siemens Pyrotronics System. There should not be a need to remove and re-install any fire alarm devices, any duct mounted smoke detectors that may need to be removed in order to remove the existing transformer or place the new transformer shall be determined by the means and methods of the contractor.
2	Are there currently any points on the existing transformers being monitored by any existing JCI system or EATON Power XPERT system? A. There are currently no points on the existing transformers being monitored by an existing JCI or EATON Power XPERT system.
3	Will any new points be needed or will only currently monitored points be needed? A. New points will be required as described as part of the construction documents. There are no currently monitored points on the existing transformers.
4	Is the contractor responsible for running power to the temporary COR field office and the contractor's site office? If yes what is the distance from the existing power utility to get this power? A. Omit section 1.16 Resident Engineer field office requirements.
5	Could the COR field office be in the contractor's site office? A. Same as 4 above.
6	Will the COR field office require a phone or network connection? If so will the contractor be responsible for providing them? Distance? A. Same as 4 above.
7	Where would the COR field office and contractor's site office be located on the site? A. Same as 4 above.
8	What is the approximate laydown area dimensions and its location? A. Old 115 building West side 15ft x 22 ft

9	The specifications call for cast in place slab for the transformers the drawings show using a pre-cast slab what are we to use? A. Refer to Key plan note#1 on sheet #A100
10	26 12 19-5 2.1 D. Completely fabricate transformers at the factory so that only the external cable connections are required at the project site. The drawings sheet E101.1 Referenced Note 3 states transformers shall be fitted with removable radiators. Tank and radiators shipped to site to allow equipment to fit. Are we to follow the spec or the drawing? A. Drawings shall be followed, tank and radiators shall be shipped to the site to allow installation of equipment.
10a	Do existing Transformers contain more than 5 PPM of PCB? No. Per VA test reports and stickers on the units
11	Page 1 of SF 1442, Block 10: States……. separate alternate bid items below. Page 1 also Refers to Bid schedule Page 2 0f 58.3. Bid Schedule Page 3 of 58 list Base bid only. Question: Are all four projects to be submitted separately or all as one Base bid? *A.* As one Base bid
12	Have the existing transformers oil been tested for PCB's? If so, what were the results? A. Yes , Zero (0)
13	Specification 01 91 00-13 to 15, Systems to be commissioned: Table calling for commissioning of many different systems of the building that are not effected by the work to replace the transformers. Are the commissioning all of these systems to be included in this contract? No. Commissioning scope is for only systems, equipment and components related to these drawings and specifications. Refer to "Department of Veterans Affairs Whole Building Commissioning Process Manual" Sections for requirement of the following systems as they relate to this project: • Direct Digital Control System • Medium-Voltage Electrical Distribution Systems • Grounding & Bonding Systems • Electric Power Monitoring Systems • Electrical System Protective Device Study • Secondary Unit Substations
14	If they are to be commissioned, what are the original manufacturers, engineering companies, commissioning agents, contractors, and as built drawings of each system? Commissioning scope is for only systems, equipment and components related to these drawings and specifications.
15	Specification 01 91 00-43 DDC system trending for commissioning: DDC system is not mentioned on 01 91 00-13 to 15, systems to be commissioned. Is the DDC system to be commissioned on this project? Yes, only the part of the system effected by this project. All monitoring points added as part of this project shall be verified to be installed and operate properly.
16	Section 02 82 11 Traditional Asbestos Abatement: Are there any known asbestos locations that will require abatement to complete this project?

	A. See attached asbestos report
17	The drawings show an alternate item bid on them. We could not locate the alternate bid on the solicitation. Please clarify if an alternate is required.
18	Does the insulating oil in the existing transformers to be removed contain PCB's? No. Per VA test reports and stickers on the units
19	Please provide current oil sample data.
20	It appears the existing enclosed breakers serving the fire pump will need to be temporarily relocated in order to remove transformer #1 and install the new transformer. Was this the intent? A. It is not the intent of the project to have to temporarily relocate the existing enclosed breakers serving the fire pump. Per the drawings: TRANSFORMER SHALL BE PROVIDED WITH REMOVABLE RADIATORS. TRANSFORMER TANK AND RADIATORS SHALL BE BUILT AND SHIPPED TO SITE TO ALLOW EQUIPMENT TO FIT THROUGH AISLE IN ROOM, NOT TO EXCEED 4'-2". TRANSFORMER AND SWITCHBOARD ASSEMBLY SHALL NOT EXCEED12'-8" IN LENGTH. OVERALL ASSEMBLED TRANSFORMER WIDTH SHALL NOT EXCEED 7-6". CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL DIMENSIONS AND COORDINATING THE PLACEMENT OF TRANSFORMER AND SWITCHBOARD ASSEMBLY. DIMENSIONS PROVIDED DO NOT TAKE INTO ACCOUNT ANY ADDITIONAL SPACE REQUIRED FOR THE RIGGING REQUIRED TO PLACE THE EQUIPMENT.
21	Transformer #4 is missing, feeders & Bus connection/modifications. A. Replace previously provide Sheet E001.4 dated 03/02/2015 – 100% SUBMITTAL; Sheets ES101, E100, E101.4, E701.4, E102 and E702, dated 01072015 – 95% SUBMITTAL with Sheets dated 06/24/2015 – ISSUED FOR BID AND CONSTRUCTION.
22	Duct bank is missing rebar. A. Provide #4 rebar's continuous along duct bank as indicated in red on detail attached below.
23	Conduit inside & overhead for Medium voltage E MT or Rigid. A. Medium Voltage conduits inside and overhead (within the transformer vault/electrical room shall be 4" Rigid or IMC.



NOTE:
CONCRETE COVER DIMENSIONS SHOWN ARE MINIMUM.

B/1

ELECTRICAL DUCT BANK DETAIL – SECTION A–A

NO SCALE